

TRICART, J.

Experimental study of the problem of fragmental rocks. In French. p. 285.
(BIULETYN PERYGŁACJALNY. No. 4, 1956, Poland)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 6, June 1957, Uncl.

TRICART, J.

France. In French. p. 11/.
(BIULETYN PERYGLACJALNY. No. 4, 1956, Poland)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 6, June 1957, Uncl.

TRICART, J.

Problems in geomorphological maps. p.259 PRZEGLAD GEOGRAFICZNY.

POLISH GEOGRAPHICAL REVIEW. (Polska Akademia Nauk. Instytut
Geografii), Warszawa. Vol. 21, no. 1, 1955

So. East European Accessions List. Vol. 5, no. 1, 1956 January

1ST AND 2ND ORDERS										3RD AND 4TH ORDERS									
PROCESSES AND PROPERTIES INDEX																			
<p>BC</p> <p>Spectroscopic investigation of distribution of elements between the phases of an alloy. Triche (Comp. Assoc. Math. Anal. Springs. Prod. Indus. 1980, 31-33; J. Iron Steel Inst., 1981, 120, 140). Results of tests on the distribution of</p>										<p>B1</p> <p>6</p>									
<p>the impurities Fe, Al, Fe, etc., between the α- and β-phases of brass are given. Spark spectra of cast Fe samples containing 2% up to 9, and Cr up to 5% are discussed. The spark from a Fe-Cr alloy former was played on polished surfaces and on the same surfaces deeply etched with HCl. Etching completely altered the Fe spectrum. Tables of intensity changes in ~ 500 lines are tabulated and a bibliography of the inter-element interferences recorded in spectra is given. A theory of the effect of the metallographic structure of the metal on the spectrum is suggested; interchange of energy between Fe and C and Fe atoms in the spark itself probably plays an important part in the changes observed. R. H. CLARK.</p>																			
<p>410-514 METALLURGICAL LITERATURE CLASSIFICATION</p>																			
<p>SEARCHED INDEXED</p>										<p>COLLATION</p>									
<p>1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20</p>										<p>21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40</p>									

TRICHENKO, N.M.

Machine tool for grinding and polishing pipes. Mashinostroitel'
no 7:29 '61.

(MIRA 14:7)

(Grinding machines)

TRICHENKO, P. S.

New automatic presses for producing building materials. Stroi. i
dor. mashinostr. 5 no.11:18-21 N '60. (MIRA 13:10)

1. Direktor Khar'kovskogo zavoda "Krasnyy Oktiabr".
(Automatic control) (Building materials)

TRICHER, k. S., and KUZIN, A.M.

" "The Enzymatic Analysis of Erythrocyte Surface Layer Structure."

Paper submitted for International Biophysics Congress Stockholm
31 Jul - 4 Aug. '61

Inst. of Biophysics, AS USSR, Moscow.

TRICHKOV, Ts.

Organizing construction of heterogeneous projects by
use of a conveyer system. p. 1.

Vol. 2, No. 2, 1955. STROITELSTROV, Sofiya, Bulgaria.

SOURCE: East European Accessions List. (EEAL) Library
of congress, Vol 5, No. 1, January, 1956

TRICHKOV, TS.

Preliminary organization of work in preparation of cement molds using the
speedy conveyer method in construction. p. 24

STROITELSTVO. Vol. 1, No. 4/5, 1954

Sofia, Bulgaria

So. East European Accessions List Vol. 5, No. 9 September, 1956

Organization, etc.

Organization and building of concrete work and the type of
conveyor system in construction, p. 11.

SERIALSVO vol. 1, no. 6, 1954

Sofiya, Bulgaria

so. EAST EUROPEAN ARCHIVES 3 113 vol. 5, no. 7 July 1950

1. TRICHUK, V. P.
2. USSR (600)
4. Krasnovidovo - Paleobotany
7. Results of the micro-paleobotanical studies of the intermorainic deposits in region of Krasnovidovo. Trudy Geog. st. "Krasnovidovo" no. 1 1948
9. Monthly List of Russian Accessions, Library of Congress, March 1953, Uncl.

1. TRICHUK, V. P.
2. USSR (600)
4. Paleobotany - Krasnovidovo
7. Results of the micro-paleobotanical studies of the intermorainic deposits in the region of Krasnovidovo.
Trudy Geog. st. "Krasnovidovo", no. 1, 1948.
9. Monthly List of Russian Accessions, Library of Congress, March 1953.
Unclassified.

TRIEB, M.

TRIEB, M. Purification of yeast waste waters, especially of wash, by ionexes. p. 178

Vol. 2, no. 8, Aug. 1956
KVASNY PRUMYSL
TECHNOLOGY
Praha, Czechoslovakia

So: East European Accession Vol. 6, no. 2, 1957

TRICOVA, V.; PRISTOUPIL, T.I.

Degree of enzymatic decomposition of modified bovine serum
albumin. Cesk. farm. 12 no.4:191-193 My '63.

1. Ustav hematologie a krevni transfuse, Praha.
(SERUM ALBUMIN, BOVINE) (TRYPSIN)
(CHYMOTRYPSIN) (PEPSIN) (CHEMISTRY, ANALYTICAL)

KOZHIN, I.L., inzh.; TRIDUB, V.K., inzh.

New stacker crane. Mekh. i avtom. proizv. 18 no.1:31-32
Ju '64. (MIRA 17:8)

KOZHIN, I.L., inzh.; TRIDUB, V.K., inzh.

Mechanized sieve storage. Mashinostroenie no.3:91-92 My-Je '64.
(MIRA 17:11)

TRIEBE, M.

Acquisitions of the library of the Chair of Thermal Flow Machines in
1961. Ciapl masz przeplyw no. 37/38:61-80. '62.

TRIEBEL, F.

Triebel, F. Production of pure phosphorus oxides and phosphoric acid by the combustion of phosphorus. p. 156. CHEMICKY PRUMYSL. Praha. Vol. 5, no. 4, Apr. 1955.

SO: Monthly List of the E st European Accession, (EEAL), LC. Vol. 4, no. 10, Oct. 1955. Uncl. ^a

CZECHOSLOVAKIA/Chemical Technology. Chemical Products and Their H-5
Application. Water Treatment. Sewage

Abs Jour : Ref Zhur - Khim., No 24, 1958, No 82112

Author : Tricb M.

Inst : -

Title : Purification of Waters Effluent from Manufacture of Yeast
Employing Ionites

Orig Pub : Kvasny prumysl, 1956, 2, No 8, 178-183

Abstract : No abstract

Card : 1/1

TRIEBEL, F.

Production of pure phosphorus oxides and phosphoric acid by the combustion of phosphorus. p. 156.

CHEMICKY PRUMYSL, Praha, Vol. 5, no. 4, Apr. 1955.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, no. 10, Oct. 1955,
Uncl.

TRIEF, Herman

Diagnostic value of the determination of gastric acidity according to bioptic tests. Wiad. lek. 18 no.4:301-307 15 F '65

1. Z III Kliniki Chorob Wewnętrznych Wojskowej Akademii Medycznej w Łodzi (Kierownik: prof. dr. med. A. Himmel).

TRIEF, Herman

Significance of gastroscopy in the diagnosis of chronic gastritis
in the light of biopsy findings. Pol. tyg. lek. 20 no.8:268-270
22 F'65.

1. Z III Kliniki Chorob Wewnętrznych Wojskowej Akademii Medycznej
w Łodzi (kierownik: prof. dr. med. A. Himmel).

ZAJCNER, Jerzy; TRIEF, Herman

Value of bileptin in the radiodiagnosis of the biliary tract.
Pol. tyg. lek. 20 no.9:314-315 1 Mr'65.

1.Z Zakladu Radiologii Lekarskiej Wojskowej Akademii Medycznej
w Lodzi (kierownik: doc. dr. med. G. Fialkowski) i z III
Kliniki Chorob Wewnetrznych Wojskowej Akademii Medycznej w
Lodzi (kierownik: prof. dr. med. A. Himmel).

HIMMEL, Andrzej, prof. dr. med.; PLONKA, Andrzej; TRIEF, Herman;
WOJCIECHOWSKA, Elzbieta.

Effect of spasmophen on the velocity of gastric passage. Pol.
tyg. lek. 20 no.9:307-308 1 Mr'65.

1. Z III Kliniki Chorob Wewnętrznych Wojskowej Akademii Medycznej
w Łodzi (prof. dr. med. Andrzej Himmel).

TRIEF, Herman

Influence of spasmophen on the excretion of gastric juice
after the administration of histamine and alcohol. Wiad.
lek. 18 no.14:1137-1141 15 J1 '65.

1. Z III Kliniki Chorob Wewnetrznych Wojskowej AM (Kierownik:
prof. dr. med. A. Himmel).

TRIEFF, Herman; HIMMEL, Andrzej; INDULSKI, Janusz

Diagnostic tests in precancerous conditions of the stomach.
Pol. tyg. lek. 19 no.2:49-51 Ja '64.

1. Z III Kliniki Chorob Wewnętrznych Wojskowej Akademii Medycznej
w Łodzi (kierownik: prof. dr med. Andrzej Himmel).

CA

Calculation of molar polarization. IV. The standardization of liquid condensers for dielectric-constant measurements. 2. Triebel, J. Schurz, and H. Koren (Univ. Graz, Austria). *Z. Physik.* 82, 83-8 (1961) (in German); cf. *C.A.* 44, 8186a; 45, 3313g. — The literature on the dielectric constant, ϵ , for the last 20 years is reviewed for several liquids. Mean values are calculated: for benzene, $\epsilon_0 = 2.2821 \pm 0.0011$; $-\Delta\epsilon/\Delta\lambda = 1.90 \pm 0.06 \times 10^{-4}$; for CCl_4 , $\epsilon_0 = 2.2305 \pm 0.0011$; $-\Delta\epsilon/\Delta\lambda = 1.91 \pm 0.06 \times 10^{-4}$. Values of ϵ are also given for hexane, heptane, cyclohexane, decalin, and naphthalene (cis and trans), C_8H_8 , 1,4-dioxane, CHCl_3 , and ultrahigh frequencies of wave-length range 1.35 to 14.0 cm. are given for benzene, CCl_4 , hexane, heptane, cyclohexane, and C_8H_8 . M. J. Schuler.

1951

FRITZGLER, L.

Europe and the problems of economic integration, Medun transp 7 no.7:
634-639 J1 '61.

TRIEGLER, L.

Europe and the problems of economic integration. Medun transp 7 no.8:
739-741 Ag '61.

TRIEGLER, L.

Europe and the problems of economic integration. Medun transp 7 no.9:
806-809 S '61.

TRIENES, H.

Aeronautical Engineering Review.

June 1954

Wings and Airfoils.

3
20
✓ Untersuchungen über die Neutral-
punktlage von Flügel-Rumpf-Anordnungen.
B. Möller and H. Trienes. *Z. für Flugwis-
senschaften*, June, 1953, p. 2. In German.
Experimental analysis of the destabilizing
shift of the aerodynamic center dependent
on the position of the wing relative to the
fuselage and on the ratio of the size of the
fuselage to that of the wing.

LB
10/12/54

TRIERIECHOW, P.

TRIERIECHOW, P.

Making an educational polytechnical and preparing students for practical activities through lessons in geography. Tr. from Russian. p. 34. (GEOGRAFIA W SZKOLE, Warszawa, Vol. 8, no. 1, Jan./Feb. 1955.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 2, Jan. 1955, Uncl.

"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001756610011-3

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001756610011-3"

ULMER, K.; BRUN, E.; TRIETSCH, F.K.; NEGRETTE, W.; HESS, W.

Adhesion of metals. Technika 7 no.6:2 Je '63.

STOICOVICI, E., prof.; TRIF, Amica, asist.

Pegmatite in the Apuseni Mountains. Rev min 14 no.12:534-545
D'63.

TRIF, D.

TECHNOLOGY

Periodical: REVISTA INDUSTRIEI ALIMENTARE. No. 6, 1958.

TRIF, D. Some particularities connected with the reduction of fish-production costs.
p. 23.

Monthly List of East European Accession (EEAI) LC, Vol. 8, no. 3
March 1959 Unclass.

TRIF, D.

Analysis of the possibilities of reducing the operation expenses in the Enterprise for the Industrialization and Utilization of Fishery Products.
p. 27.

REVISTA INDUSTRIEI ALIMENTARE. PRODUSE ANIMALE. (Ministerul Industriei Bunurilor de Consum) Bucuresti, Rumania. Vol. 6, no. 12, 1958.

Monthly list of East European Accessions (EEAI) LC, ^{vol 8}no. 8, Aug. 1959.

Uncl.

BAKSHI, O.A., kandidat tekhnicheskikh nauk; PRAZDNOV, G.S., inzhener; TRIF,
R.L., inzhener.

Deformation of the side wall of a D-222 scraper. Vop.svar.proiz.
no.7:55-62 '55. (MLRA 10:3)
(Scrapers--Welding)

TRIF, R.L., inzhener

Welding curved seams with a TS17-MU tractor driven welder. Svar.
proizv. no.8:26-27 Ag'55. (MLRA 8:11)

1. Zavod imeni Kolyushchenko
(Elektrik welding) (Agricultural machinery--Welding)

GRAMOVSKI, I., ing.; TRIF, V., ing.

Achievements and prospects for enlargement of the assortment
and possibilities of manufacturing other mining equipment at
the Baia Mare Mechanical Plant for Machines and Mining Equipment.
Rev min 12 no.5:205-206 My '61.

TRIFAN, C. (L)

TRIFAN, C.

Source (in caps); Given Name

5

Country: Rumania

Academic Degrees: Dr.

Affiliation: [not given]

Source: Bucharest, Microbiologia, Parazitologia, Epidemiologia, No 3,
May-Jun 61, pp 263-265.

Data: "Considerations on the Dysentery Bacilli Strains of the Large-
Sachs Group Isolated in Moldavia."

Co-authors:

BRILEA, V., Dr.

IOSEB, C., Dr.

GHIGI, N., Dr.

TRIFAN, C., Dr.

IOSEB, S., Dr.

[affiliations not given]

BOTAN, N.V.; TRIFAN, Florentina

Some theoretical considerations on a method of feeding a three-phase asynchronous motor with asymmetric tensions. Studii fiz tehn Iasi
10 no.1:73-83 '59 (EAI 9:3)

1. Filiala Iasi a Academiei Republicii Populare Romine.
(Electric motors, Induction)

RUMANIA

GRIGORE, R., Dr and TRIFAN, G., Dr. Work performed at the "Pechea" Hospital (Spitalul "Pechea"), Galati Raion and the Galati Regiune Sanepid (Sanepidul Regional din Galati).

"Leptospirosis hebdomadis in Galati Regiune."

Bucharest, Microbiologia, Parazitologia, Epidemiologia, Vol 8, No 1, Jan-Feb 1963, pp 45-48.

Abstract [Authors' English summary modified]: The authors report the first case of leptospirosis hebdomadis in Galati Regiune. The clinical and epidemiological diagnosis was based on hepatorenal involvement, fever, leucocytes, increased sedimentation rate and a consideration of the patient's occupation; it was confirmed by the determination of the serotype by means of the lysis agglutination test. It was not possible to establish the source of infection or the route of transmission by epidemiological surveys. Includes 7 Rumanian references.

1/1

GRIGOR, R., dr.; TRIFAN, G., dr.; ICHIM, N., dr.; BANA, E., dr.; DIACONU,
Jana, dr.

Alimentary toxinfec caused by salmonella paratyphi C.
Microbiologia (Bucur.) 9. no. 2: 307-311. 11-Ag'64

1. Lucrare efectuată la Inspectoria de sînt pentru igiena și protecția
muncii, Regiunea Galați.

ANGEHELESCU, V.; TIRNOVEANU, G.; TRIFAN, G.; CIOBANU, C.; VOICU, A.

Contributions to the study of staphylococcal gastro-enteritis
in children. Rumanian M. Rev. 4 no.1:58-60 Ja-Mr '60.

1. Hospital for Children in Galati (Director: Dr. Virgil
Anghelescu).

(GASTROENTERITIS in infancy & childhood)

(STAPHYLOCOCCAL INFECTIONS in infancy & childhood)

THIPA', H., dr.; THIPA', Elena, dr.

Lyophilized plasma in dietetics of small infants. *Pediatrics*
(Bucur.) 14 no.3:271-274. My-Je ' 65.

TRIFAN, N., dr.; TRIFAN, Elena, dr.

Lyophilized plasma in dietetics of small infants. *Pediatrics*
(Bucur.) 14 no.3:271-274 My-Je ' 65.

TH. NICA, I. BALUTEL, DERMENGI, GH. POSEA, TRIFAN, R., O. SESERMAN, M. BANICA,
A. SMOLEAC, L. NEGREA.
Institute of Agronomy.

Study of Properties of Sheepskins Used for Imitation of Coypu Fur.
Anuarul. lucrur. stiint, Inst. Agron., 1957, 335-349.

Abstract: The properties of skins of adult lambs with fine or semifine wool (18 to 34) were studied; imitated coypu fur ("Nutriet") is produced of theses skins after processing them by tanning, combing, clipping, dyeing and smoothing. 80 lamb skins of the improved sheep breed "Spanka" were studied with a view to improve the quality of the raw material for manufacturing high quality "Nutriet". The lambs are slaughtered 5 1/2 to 6 1/2 months old, when they weigh not less than 26 kg having been fed well above the normal. It is shown that the breeding and selection of sheep should be carried out taking into consideration the following specified mean qualitative indices in order to avoid any losses in the wool production and of eman and milk; wool thickness -18 to 26, wool density - 4000 to 5000 fiber per sq. cm; the uniformity and elasticity of wool and skin, as well as the satinity and lustre of wool must be good, wool strength, 9.36 - 0116 g; elongation - 36.8 - 0118% derma thickness 2.32 mm; -70square inches. Grading of the studied skins of sheep of the improved breed "Spanka" after their processing resulted in 57.5% of I class skins, 37.5% of II class skins, 3.8% of III Class skins and 1.2% of scrap.

TRIFANESCU, Aura, chimist; POPISTEANU, Elena, ing.

Thick greases for greasing the bearings of the railway rolling stock,
Rev caillor fer 10 no.9:469-473 S '62.

1ST AND 2ND ORDERS										3RD AND 4TH ORDERS									
PROCESSES AND PROPERTIES INDEX																			
<p><i>BC</i></p> <p>Preparation, and qualitative and quantitative analysis of dithioarsic mercury dichromate. G. L. CHABONSKI and T. TRIFAYASOV (Bul. Chim. Soc. Roumâne, 1938, 39, 86-88).—Freshly pptd. HgS, heated (water-bath) for 10–12 hr. with 4 times its wt. of CrO_3 and 50 c.c. of H_2O for each 100 g. of the mixed solids, gives an orange powder, which after washing with H_2O, EtOH, and Et_2O has the formula $\text{Hg}_2\text{S}_2\text{Cr}_2\text{O}_7$, probably $[\text{Hg}(\text{HgS})_2]\text{Cr}_2\text{O}_7$ (I). Some properties are recorded. The X-ray data given show that (I) is a single substance, and not an adsorption compound of HgS and CrO_3. L. S. T.</p>																			
<p>ASSOCIATE METALLURGICAL LITERATURE CLASSIFICATION</p> <p>1ST AND 2ND ORDERS</p> <p>3RD AND 4TH ORDERS</p>																			

Trifankin, V.
ISMAILOV, A.; TRIFANKIN, V.

From mountain paths to highways. Avt.dor.20 no.10:29-31 0 '57.
(MIRA 10:12)

1. Zamestitel' Ministra transporta i dorozhnogo khozyaystva
Tadzhikskoy SSR (for Ismailov). 2. Zamestitel' nachal'nika
Upravleniya avtomobil'nykh dorog.
(Tajikistan--Road construction--History)

10

PREPARATION OF BUTYL CHLORIDES FROM THE CONCENTRATED BUTYLENE FRACTION OF VAPOR-PHASE CRACKING GASES. II. D. M. Rudkovskii and A. Tridel. *Org. Chem. Ind. (U. S. S. R.)* 2, 203-5(1934); cf. *C. A.* 30, 6702. —Nearly 100% Me_2CCl was obtained by causing gaseous HCl to act on a vaporized mixt. of $Me_2C:CH_2$ (I) 25-35, normal butylenes 40-50, divinyl 12-18 and C_{11} hydrocarbons 2-3% in the presence of $BiCl_3$ on glass wool at 50-60° and a contact time of 3-5 sec. At this rate normal butylenes and divinyl practically do not react with HCl , while I and acetylenes give nearly 100% conversion. Changing the ratio of HCl to I from 1:1 to 2:1 showed no effect on the yield of Me_2CCl . The presence of divinyl and acetylenes caused rapid poisoning of the catalyst. Use of glass wool alone without $BiCl_3$ reduced the yield of Me_2CCl to 30%.
Chas. Blanc

ASAC-SLA METALLURGICAL LITERATURE CLASSIFICATION

TRIFFL, A.,

R. OBOLENTSEV, Neft'nyaya Prom.1941, No. 1, 93-9.

KRINKIN, D.P.; RUDKOVSKIY, D.M.; TRUFEL', A.G.

Side reactions in the oxo synthesis process. Khim. i tekhn. topol. i
masel 10 no.7:8-11 J1 '65. (MIRA 18:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut neftekhimicheskikh
professov.

GANKIN, V.Yu.; KRINKIN, D.P.; RUDKOVSKIY, D.M.; TRIFEL', A.G.

Effect of the temperature of formation of metallic cobalt on its reaction capacity in the process of carbonyl formation. Khim. i tekh. topl. i masel 10 no.10:11-14 O '65. (MIRA 18:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut neftekhimicheskikh protsessov.

cc

Synthesis of ethyl chloride from ethylene and hydrochloric acid in the presence of aluminum chloride. D. M. Rudakovskii and A. G. Trifel. *Trans. Exptl. Research Lab. "Khempas", Materials on Cracking and Chem. Treatment of Cracking Products* (U. S. S. R.) 3, 202-8(1936).—The exptl. conditions were the same as in the Tulleners, Tuyn and Waterman report (cf. C. A. 28, 4035). The reaction of EtCl in the presence of AlCl₃ proceeds not only at -78° as stated by Tulleners, et al., but also at -12° to -78°. The reaction velocity increases with increase of temp. from -78° to -55°, about 94% of CH₃CH₂ was converted at a temp. interval of -55° to -12°, under the exptl. conditions. Increase of temp. promotes an increase of the relative yield of polymers. Thus, at -85° the percentage of the residue obtained in the conversion of CH₃CH₂ was 5 and at -12° it reached 11%. The synthesis can be effected by using dil. or tech. cracking gases contg. CH₃CH₂. The method is worked out for industrial prepn. of EtCl.

A. A. Podgorny

Equilibrium constants of the reaction of formation of ethyl chloride from ethylene and hydrogen chloride. D. M. Rudakovskii, A. G. Trifilev and A. V. Frost. *Ukrain. Khim. Akad.* 1960, 10, Wiss. Tell 277-82 (1935) (in Russian).—**Equil. consta.** of the reaction $C_2H_4 + HCl \rightleftharpoons C_2H_5Cl$ were studied by synthesis and decomp. of $EtCl$ at 170° , 200° and 230° ($\pm 2^\circ$) in specially constructed app. (illustrated) in the presence of $BiCl_3$ catalyst pptd. on SiO_2 gel. The reactions were effected with dry gases, with and without the addn. of diluents (H or a mixt. of CH_4 , C_2H_6 and C_2H_2), and the partial tensions of the reacting gases were calcul. from the analysis and the pressures in the app. The relation between the equil. consta. and temp. is expressed by the formula: $\log K_p = \log P_{EtCl}/P_{C_2H_4}/P_{HCl} = 4.26 - (2025/T)$. The thermal effect of the reaction, calcul. from the equil. consta., is 13.4 Cal./mol. C. Blanc

PNOMARENKO, N., inzh.; TRIFANOV, V., inzh.

Experience with designs of joints of precast reinforced concrete frames. Prom. stroi. i inzh. soor. 5 no.3:33-38 My-Je '63.

(MIRA 16:7)

(Building-Details)

NUDKOVSKIY, D.M.; TRIFEL', A.G.

Principal technological flow system for ore synthesis. Trudy
VNIINeftokhim no.2:27-37 '81. (IRA 14:2)
(Chem process)

RUDKOVSKIY, D.M.; TRIFEL', A.G.; ALEKSEYVA, K.A.

Catalyst for the oxo synthesis process and methods for its preparation.
Trudy VNIINeftekhim no.2:38-51 '60. (Cl. A 14:2)
(Oxo process) (Catalysts)

RUDKOVSKIY, D.M.; TREFEL', A.G.; ALEKSEYVA, K.A.

Use of cobalt salts of organic acids as catalysts in the process of
oxo synthesis. Trudy VNIINeftekhiz. no.2:52-58 '60. (MIRA 1/62)
(Oxo process) (Catalysts)

FROST, Andrey Vladimirovich, prof. [deceased]. Prinimali uchastiye:
 BUSHMAKIN, I.N.; VVEDENSKIY, A.A.; GRYAZNOV, V.M.; DEMZHT'YEVA,
 M.I.; DINTSES, A.I.; DOBRONRAVOV, R.K.; ZHARKOVA, V.R.; ZHERKO,
 A.V.; IPAT'YEV, V.N.; KVIATKOVSKIY, D.A.; KOROBOV, V.V.; MOOR,
 V.G.; NEMTSOV, M.S.; RAKOVSKIY, A.V.; REMIZ, Ye.K.; RUDKOVSKIY,
 D.M.; RYSAKOV, M.V.; SEREBRYAKOVA, Ye.K.; STEPUKHOVICH, A.D.;
 STRIGALEVA, N.V.; TATEVSKIY, V.M.; TILICHEYEV, M.D.; TRIZEL',
 A.G.; FROST, O.I.; SHILYAYEVA, L.V.; SHCHEKIN, V.V.; DOLGOPOLOV,
 N.N., sostavitel'; GERASIMOV, Ya.I., otv.red.; SMIRNOVA, I.V., red.;
 TOPCHIEVA, K.V.; YASTREBOV, V.V., red.; KONDRASHKOVA, S.F., red.
 izd-va; LAZAREVA, L.V., tekhn.red.

[Selected scientific works] Izbrannye nauchnye trudy. Moskva,
 Izd-vo Mosk.univ., 1960. 512 p. (MIRA 13:5)

1. Chlen-korrespondent AN SSSR (for Gerasimov).
 (Chemistry, Physical and theoretical)

AUTHORS: Rudkovskiy, D. M., Trifel', A. G., S/064/59/000/08/02/021
Aleksseyeva, K. A. B115/B017

TITLE: Production of Butyric Aldehydes and Butyl Alcohols¹ by Means of the
 Method of Oxosynthesis¹

PERIODICAL: Khimicheskaya promyshlennost', 1959, Nr 8, pp 652-658 (USSR)

ABSTRACT: In the present paper the production of butyric aldehydes and butyl
 alcohols from a commercial propane - propylene fraction and from a
 carbon monoxide - hydrogen mixture by means of oxosynthesis is des-
 cribed, and the technological factors determining this process are
 investigated. The method has been described already earlier (Ref
 7). It consists of three stages: production of the cobalt-carbonyl
 solution (which is used as catalyst, solvent: toluene, iso- and
 n-butyl alcohol, pentane-hexane fraction from the direct distil-
 lation of gasoline), carbonylization and decomposition of the
 catalytic complex formed. The apparatus used and the processes
 which take place in them are briefly described. Figure 1 shows the
 scheme of the laboratory arrangement, in which a flow system was
 used and work was carried out at a temperature of approximately
 150° and at pressures of 150 to 300 atm. The composition of the
 gases used as initial products is also given. The influence exer-

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Production of Butyric Aldehydes and Butyl Alcohols
by Means of the Method of Oxosynthesis

S/064/59/000/08/02/021
B115/B017

cised by the temperatures in the range of from 110 to 150° on the rate of carbonylization of propylene is investigated in a static system. The following was also investigated: The influence exercised by the cobalt concentration on the conversion of propylene at 120, 135 and 150° and 150 atm (Fig 3), the influence of pressure on the carbonylization of propylene (Table 1), of the propylene concentration in the solution on the carbonylization of propylene (Table 2), of the gas composition on the rate of pentane carbonylization (Fig 4), of propylene (Table 3) at different temperatures, of the ratio $P_{CO} : P_{H_2}$ on the constant of reaction rate ($K \cdot 10^2$) (Fig 5), of the partial pressure of carbon monoxide P_{CO} on the maximum stability temperature of cobalt carbonyl (Fig 6), of the composition of the propane-propylene fraction (Fig 7) and of the volume rate of the liquid raw material (Table 4) on the yield in propylene transformation products. Carbon dioxide delays the carbonylization reaction. The maximum stability temperature of cobalt carbonyl shows a logarithmic dependence on the partial pressure of carbon monoxide. The influence exerted by various factors on the formation of acetals in the condensation products in using butyl alcohols as solvent is given (Table 5), and the

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composition of the hydrogenated product obtained by using a pentane-hexane fraction as solvent in the carbonylization of the propane-propylene fraction is mentioned (Fig 8, Table 6). The results show that n-butyl alcohol is the main reaction product (60%). The other products are: isobutyl alcohol (22%), alcohols C₈ and ester (6%), 2-ethyl hexanol (9.5%), and higher condensation products (higher than C₈) (4%). There are 8 figures, 6 tables, and 11 references, 4 of which are Soviet.

ASSOCIATION: VNIIneftekhim (VNIIneftekhim - All-Union Scientific Research
Institute of Petroleum Chemistry)

Card 3/3

RUDKOVSKIY, D.M.; TRIFEL', A.G.; ALEKSEYEVA, K.A.

Obtaining higher C₆ to C₈ alcohols from olefin-containing petroleum fractions by means of oxidation synthesis. Khim. i tekhn. topl. i masel 3 no.6:17-24 Je '58. (MIRA 11:6)

1. Leningradskiy neftyanoy issledovatel'skiy institut.
(Alcohols) (Oxidation)

SCV/68-58-5.4/13

AUTHORS: Rudkovskiy, D. M; Trifel', A. G. and Alekseyeva, K. A.

TITLE: Preparation of $C_6 - C_8$ Alcohols from Olefin-Containing Fuel Fractions by the Oxo-Synthesis. (Polucheniye vysshikh spirtoy $C_6 - C_8$ iz olefinsoderzhashchikh toplivnykh fraktsiy metodom oksosintaza).

PERIODICAL: Khimiya i Tekhnologiya Topliv i Masel, 1958, Nr.6. pp. 17 - 24. (USSR).

ABSTRACT: The fundamental principles of the Oxo-synthesis and the uses of and products are reviewed. Amongst these and products are higher alcohols (C_6-C_8) which are excellent flotation agents for light metal ores and for slack. Results of experiments on the preparation of C_6-C_8 aldehydes from olefin-containing fuel fractions are given. The influence of the concentration of the catalyst, the temperature, pressure, composition of the synthesis gas, the rate of supply of the liquid raw material and of the rate of circulation of the gas on the carbonylation process, were investigated. The raw material used was the fraction boiling up to $100^\circ C$ which was separated on a rectification column during two distillations of cracked petroleum. Various physical constants of this fraction are listed as well as the content of C_5 , C_6 and C_7 hydro-

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SCY/65-58-6-4/13

Preparation of $C_6 - C_8$ Alcohols from Olefin-Containing Fuel Fractions by the Oxo-Synthesis

carbons in the raw material (Table 1). The experiments were carried out on a continuous apparatus (Fig.1). Details of the process of carbonylation of unsaturated hydrocarbons are given. Cobalt carbonyl was used as catalyst. The influence of the concentration of this catalyst on the rate of carbonylation of unsaturated $C_5 - C_7$ hydrocarbons was investigated at a temperature of 162°C, pressures of 200 and 300 atms and the ratio of the rate of supply to the raw material was 3.6:1. The volume of circulating gas = $0.7m^3$ /litre of raw material. The concentration of the catalyst was changed within the limits 0.03 - 0.31%. Results of these experiments are given in Table 2 and Fig.2. Details of investigations on the influence of temperature on the rate of the reaction at 290 atms are given in Table 3 and Fig.3. Activation energy was calculated according to the equation by Arrhenius and was $\sim 11,000$ cal/mole. The temperature coefficient of the rate of reaction = 1.4. Experiments on the effect of pressure on the carbonylation process were carried out at low depths of conversion (Table 4 and Fig.4.). When the reaction was carried out under

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Preparation of $C_6 - C_8$ Alcohols from Olefin-Containing Fuel Fractions by the Oxo-Synthesis.

industrial conditions (volume rate = 3, and concentration of the catalyst = 0.2%) a change in the pressure from 150 - 300 atms does not affect the depths of conversion (Table 5). Investigations on the influence of the composition of the gas on the process were carried out at varying temperatures, partial pressures of CO and H_2 and varying rates of supply of the raw material. From data given in Table 6 and Fig. 5 it can be seen that at low temperatures (120 - 140°C) the depth of conversion of unsaturated hydrocarbons increases with increasing partial pressure of hydrogen. Results of tests on the influence of the rate of supply of the raw material and the quantity of circulating gas on the carbonylation process are given in Tables 7 and 8. The analytical investigations showed that the products obtained from fractions up to 100°C contain 39% - 42% oxygen-containing compounds. The alcohols were separated from the hydrogenates by rectification; the fraction boiling up to 100°C (unreacted raw material); the alcohol fraction ($C_6 - C_8$) boiling between 140 - 200°C, and the vat residue 15 - 20%. Physical constants of all these fractions are given. There are 6 Tables, 5 Figures,

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SOV/65-58-6-4/13

Preparation of $C_6 - C_8$ Alcohols from Olefin-Containing Fuel Fractions
by the Oxo-Synthesis.

and 5 References: 3 Soviet, 1 German and 1 English.

ASSOCIATION: LenNII

Card 4/4

TRIFEL', B. S.

PA 30/49T38

USSR/Electricity
Safety Equipment
Electric Shock

Oct 48

"The Use of Protective Devices Against Electric Shock," B. S. Trifel', VNITE, 2 pp

"Energet Byul" No 10

Conclusions reached by author's laboratory. Table shows useful life of various items of safety equipment.

FDB

30/49T38

"APPROVED FOR RELEASE: 04/03/2001

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L 15327-66 ENT(m)/T/EWP(j)/ETC(m)-6 WW/JWD/RM

AEC NR: AP6000989

(A)

SOURCE CODE: UR/0286/65/000/022/0060/0060

AUTHORS: Malinskiy, Yu. M.; Trifel', B. Yu.; Kargin, V. A.

ORG: none

44

TITLE: A method for obtaining filled plastics. Class 39, No. 176415 /announced by Scientific Research Physicochemical Institute im. L. Ya. Karpov (Nauchno-issledovatel'skiy fizhiko-khimicheskiy institut)/

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 22, 1965, 60

TOPIC TAGS: polymer, plastic, epoxy, polyester, resin

ABSTRACT: This Author Certificate presents a method for obtaining filled plastics, consisting of a filler and polyester maleic or epoxide binders, by applying a preliminary coating of a sizing substance to the surface of the filler. To increase the strength of the filled plastics, polyisobutylene, polychloroprene, or trifluoroacetic acid are used as sizing agents.

SUB CODE: 11/ SUBM DATE: 05Mar64

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SB

Card 1/1

UDC: 678.046.7:678.763.2.742.4

"APPROVED FOR RELEASE: 04/03/2001

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APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001756610011-3"

....., in the adjoining plating material, large concentrations of shearing stresses that may become the foci of the rupture of the next element. Approximations are given for the distribution of stresses

KARGIN, V.A., akademik; MALINSKIY, Yu.M.; RABINOVICH, A.L.; TRIFEL', B.Yu.

Strength of model specimens of unidirectional structures. Dokl.
AN SSSR 157 no.6:1273-1275 Ag '64 (MIRA 17:9)

1. Fiziko-khimicheskiy institut im. L. Ya. Karpova i Institut
khimicheskoy fiziki AN SSSR.

P. GORSHOV, Ye. N., TRICHEL', B. Yu., KASHIN, I. N.

breakdown of reinforced plastic. Part II investigation
model of uni-oriented glass reinforced plastic. *Plast. mass.*
1964, no. 1:787-790. 16p. (USSR Plast. Ind.)

1. V. I. Kabanicheskij institut imeni Karpova.

31

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101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200

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MEGREYEV, V., doktor tekhn.nauk; NURIYEV, M.; TRIFEL', M.; RYBAKOV, L.

Electrochemical protection of ships from corrosion. Mor.flot 20
no.10:23-26 0'60. (MIRA 13:10)

1. Starshiy inzhener "Gipromornefti" (for Nuriyev). 2. Rukovoditel'
sektora "Gipromornefti" (for Trifel'). 3. Glavnyy inzhener
"Kaspnefteflota" (for Rybakov).
(Cathodic protection)

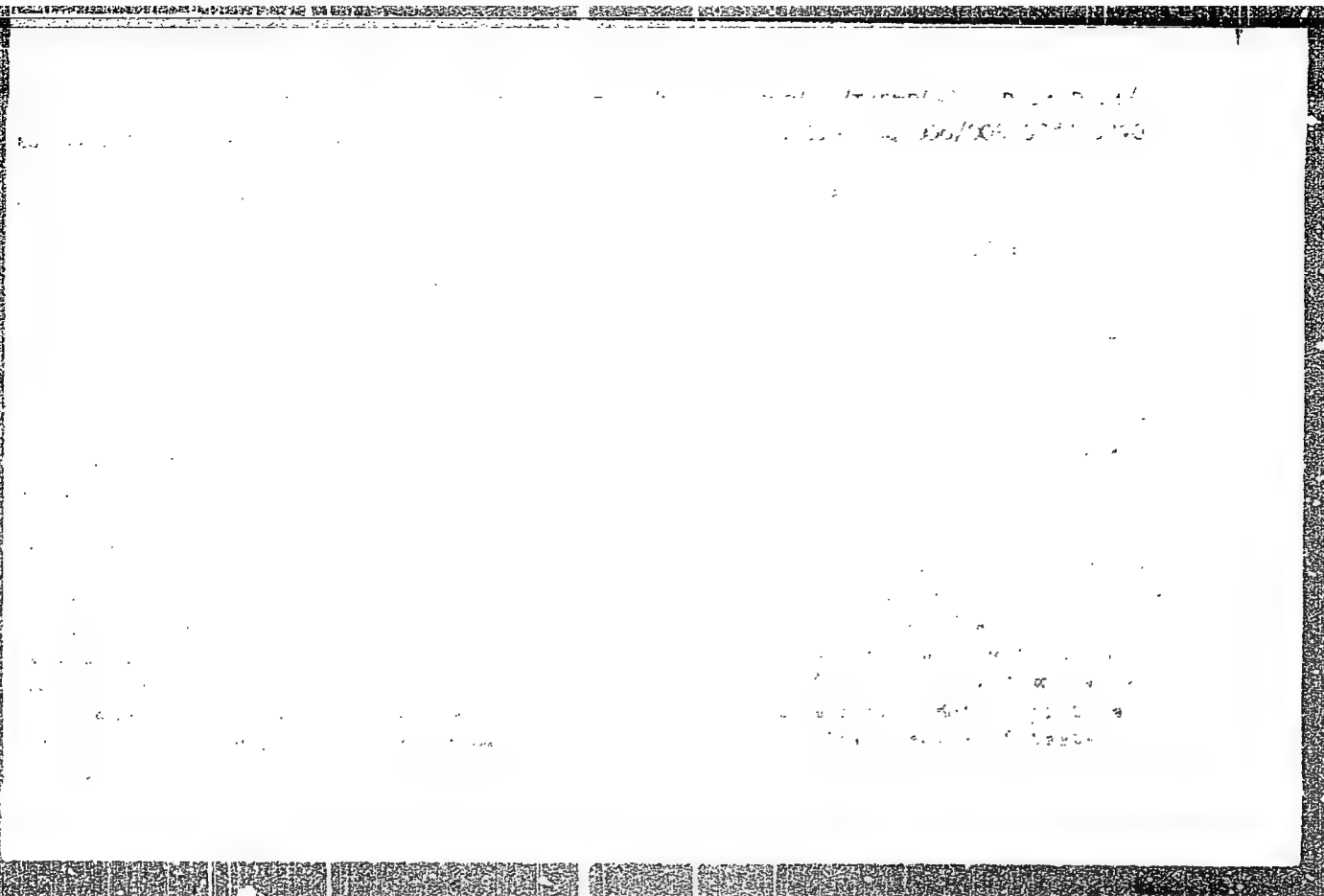
M. L. M.; IRIPEL, B. Yu.; KARGIN, V. A.;

"Examinations of overstresses on the boundary glass-plastic in reinforced plastics."

report submitted for 1st Intl Cong, Glassfiber-Reinforced Plastics & Epoxy Resins, Berlin-Adlershof, E. Germany, 22-27 Mar 65.

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APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001756610011-3"

MALINSKIY, Yu.M.; TRIFIL', B.Yu.; KARGIN, V.A.

Effect of some physicochemical properties of the binder and filler on the strength of the material. Vysokom.sosd. 6 no.9:1708-1712 S '64.

(MIRA 17:10)

1. Fiziko-khimicheskly institut imeni Karpova.

TRIFEL', M. S.

PA 20/49T62

USSR/Engineering
Compressors
Safety Devices

Sep 48

"Automatic Safety Devices for Compressors," M. S.
Trifel', VNIITB, 8 pp

"Energet Byul" No 9

Describes system of safety devices for oil drill
compressors. Includes seven sketches.

20/49T62

SHUKYUROV, N.R.; TRIFEL', M.S.; RUVINSKIY, V.A., redaktor.

[Speedy installation of electrical equipment of drilling rigs]
Skorostnoi montazh elektrooborudovaniia burovoi. Baku, Gos.
nauchno-tekhn. izd-vo neftianoi i gorno-toplivnoi lit-ry, Azer-
baidzhanskoe otd-nie, 1949. 66 p. (MLBA 8:1)
(Petroleum--Well boring) (Boring machinery)

TRIFEL', M. S.

FA 33/47T96

USSR/Petroleum Industry
Drills, Oil Well
Power Supplies

Jan 49

"The Safe Construction of Portable Distributive
Units in Drilling and Extracting Oil," M. S.
Trifel', VNITB, 4 pp

"Energet Byul" No 1

Several factors differentiate power-distribution
circuits used at petroleum industries from other
types of distributing circuits. Gives several
suggestions for power-distribution system which
would accommodate 0.38 - 0.11 kv. Ideal organiza-
tion for a transformer and switch-control unit.

33/49T96

TRIFEL', M. S.

20693. Trifel', M.S. Indikator napryazheniya dlya naruzhnik' raspredelitel'nykh ustroystv vysokogo napryazheniya. Energet. byulleten', 1949, No. 3, s. 24-25

SO: LETOPIS ZHURNAL STATEY - Vol. 28, Moskva, 1949

TRIFEL', M. S.

Trifel', M.S. "Grounding pipe-lines as a means of fighting the consequences of electrostatic charge accumulation,"

SO: U-3264, 10 April 53 (Letopis 'Zhurnal 'nykh Statey, No. 4, 1949).

TRIFEL', M. S.

USSR/Electricity Electrical Standards Petroleum Industry

May 49

"Establishment of Electrotechnical Rules and Standards," N. P. Shukurov, M. S. Trifel', Engineers, 1 $\frac{1}{2}$ pp

"Elektrichestvo" No 5

Discusses establishment of rules and standards for electrical equipment in industrial enterprises in general, and petroleum industry in particular. Sets forth proposals representing combined opinions of many power-petroleum engineers and adopted by All-Union Sci Res Inst for Safety in Oil Ind. Article stresses importance of having both general and specific rules applicable to separate industries.

PA 55/49T33

TRIFEL', M. S.

PA 66/49T89

USSR/Petroleum - Drilling Machinery Jun 49

"Portable Distribution Equipment for Oil-Drilling Operations," M. S. Trifel', A. A. Kuliycv, 4 pp

"Energet Byul" No 6

Describes operating features and area of application of four types of distribution equipment now in use: (1) iron semimobile multiple-compartment type, (2) complete mobile type for drilling installations, (3) switch-box type of various design, and (4) metal-clad types. Switch-box type considered easiest to install for drilling operations. Metal-clad explosion-proof type has received wide use recently.

66/49T89

TRIFEL', M. S.

PA 161T30

USSR/Electricity - Electric Drives Feb 50
Oil Well Drilling Equipment

"Safety Elements in the Design of the Electric
Drive for Oil Well Drilling Equipment," M. S.
Trifel', 7 pp

"Energet Byul" No 2

Electric drilling equipment is dangerous, using
as it does considerable power at 2,000 and 500 v
to operate large amount of metallic equipment
exposed to dampness. Discusses safety features
incorporated in existing equipment and makes
suggestions for their improvement.

161T30

TRIFEL', M. S.

USSR/Electricity - Installation Regulations
Electrical Equipment

Oct 50

"Regulations for Installing Electrotechnical Equipment," D. V. Agranovskiy, Engr,
Teploelektroproyekt Trust, P. F. Solov'yev, Engr, Glavelektromontazh Trust, Min of
Constr of Heavy Ind Enterprises, M. S. Trifel', Engr, Baku

"Elektrichestvo" No 10, pp 88-90

Concludes discussion conducted by editor on regulations for installing electrotechnical
equipment, and claims exchange of views between all interested branches has been of
great value. Conclusions reached were expected to influence meeting convened by VNITOE
at Leningrad in Oct 50 to discuss All-Union regulations on this subject.

PA 171T36

F

1207. SAFE CONSTRUCTION OF ELECTRIC DESALTING AND DEHYDRATION PLANTS (FOR PETROLEUM). Trifel, M.S. (Energ. Byull. (Pwr Bull.), Oct. 1951, 21-27). The hazards inherent in electrostatic demulsifiers and methods of reducing them are discussed. (L).

USSR/Electricity - Transmission Lines
Engineering - Petroleum

Mar 52

"Problem of Grounding Metal Towers of Suspension Lines
Carrying Voltages up to Kv in Oil Fields," M. S. Trifel
and R. N. Yengibarova

"Prom Energet" No 3, pp 21-25

Demonstrates, on basis of experience of different petroleum trusts of Azneft', Turkmenneft', and Krasnodarneft' associations, that norms for leakage resistance of metal suspension towers should be determined according to voltage in each case ("Rules for Construction of Electrotechnical Installations," 1950, merely

243T32

sets 10 ohms as resistance not to be exceeded). Mentions impending conversion of all 2-kv oil-field networks to 6 kv. Discusses use of grounded and ungrounded neutrals.

TRIFEL', M. S.

243T32

TRIFEL', M.S.

Dissertation: "Protection of Pipelines and Supporting Pilings at Petroleum Industry Installations by Cathodic and Protector Methods." Cand Tech Sci, Azerbaydzhan. Industrial Inst, Baku, 1954. (Referativnyy Zhurnal, Khimiya, Moscow, No. 10, Aug 54)

SO: SUN. 393, 28 Feb 1955

1. RILEY, R. G. ; TRIPAL, M. S.
GADZHIYMA, R. G. ; TRIPAL, M. S.

Determining the stability of coatings and necessity of preparing
steel surfaces being protected. Trudy Gipromornefti no.1:178-205
'54. (MLRA 9:12)

(Protective coatings) (Steel--Corrosion)

TRIFEL', M.S.

Protection of offshore structures in the petroleum industry. Trudy
Gipromornefti no.1:206-229 '54. (MLBA 9:12)
(Electrolytic corrosion)